

- 5 Mancini JGB, Goldberger AL. Cardioversion of atrial fibrillation: consideration of embolization, anticoagulation, prophylactic pacemaker, and long-term success. *Am Heart J* 1982;104:617-21.
- 6 Lovett JL, Sandok BA, Giulani ER, Nasser FN. Two-dimensional echocardiography in patients with focal cerebral ischemia. *Ann Intern Med* 1981;95:1-4.
- 7 Knopman DS, Anderson DC, Asinger RW, Greenland P, Mikell F, Good DC. Indications for echocardiography in patients with ischemic stroke. *Neurology* 1982;32:1005-11.
- 8 Aschenberg W, Schluter M, Kremer P, Schroder E, Siglow V, Bleifeld W. Transoesophageal two-dimensional echocardiography for the detection of left atrial appendage thrombus. *J Am Coll Cardiol* 1986;7:163-6.
- 9 Zenker G, Erbel R, Kramer G, et al. Transoesophageal two-dimensional echocardiography in young patients with cerebral ischemic events. *Stroke* 1988;19:345-8.
- 10 Daniel WG, Angermann C, Engberding R, et al. Transoesophageal echocardiography in patients with cerebral ischemic events and arterial embolism—a European Multicenter Study [abstract]. *Circulation* 1989;80(suppl II):II-473.
- 11 Pop G, Sutherland GR, Koudstaal PJ, Sit TW, de Jong G, Roelandt JRTC. Transoesophageal echocardiography in the detection of intracardiac embolic sources in patients with transient ischemic attacks. *Stroke* 1990;21:560-5.
- 12 Seward JB, Khandheria BK, Oh JK, et al. Transoesophageal echocardiography: technique, anatomic correlations, implementation and clinical applications. *Mayo Clin Proc* 1988;63:649-80.
- 13 Beppu S, Nimura Y, Sakakibara H, et al. Smoke-like echo in the left atrial cavity in mitral valve disease: Its features and significance. *J Am Coll Cardiol* 1985;6:744-9.
- 14 Daniel WG, Nellessen U, Schroder E, et al. Left atrial spontaneous echo contrast in mitral valve disease: an indicator for an increased thromboembolic risk. *J Am Coll Cardiol* 1988;11:1204-11.
- 15 Hatle L, Angelsen B, Tromsdal A. Non-invasive assessment of atrioventricular pressure half-time by Doppler ultrasound. *Circulation* 1979;60:1096-104.
- 16 Lechat P, Mas JL, Lascault G, et al. Prevalence of patent foramen ovale in patients with stroke. *N Engl J Med* 1988;318:1148-52.
- 17 Nobuyoshi M, Hamasaki N, Kimura T, et al. Indications, complications, and short-term clinical outcome of percutaneous transvenous mitral commissurotomy. *Circulation* 1989;80:782-92.
- 18 Humphrey PRD, Harrison MJG. How often can an embolic stroke be diagnosed clinically? A clinicopathological correlation. *Postgrad Med J* 1985;61:1039-42.
- 19 Ramirez-Lassepas M, Cipolle RJ, Bjork RJ, et al. Can embolic stroke be diagnosed in the basis of neurologic clinical criteria? *Arch Neurol* 1987;44:87-9.
- 20 Sherman DG, Dyken ML, Fisher M, Harrison MJG, Hart RG. Cerebral embolism. *Chest* 1986;89(suppl 2):82S-98S.
- 21 Shrestha NK, Moreno FL, Narciso FV, Torres L, Calleja HB. Two-dimensional echocardiographic diagnosis of left atrial thrombus in rheumatic heart disease. A clinicopathologic study. *Circulation* 1983;67:341-7.
- 22 Bansal RC, Heywood JT, Applegate PM, Jutzy KR. Detection of left atrial thrombi by two-dimensional echocardiography and surgical correlation in 148 patients with mitral valve disease. *Am J Cardiol* 1989;64:243-6.
- 23 Jacobs NH, Whyte S, Kelleher AD, Juarez CC, Garrick R, Feneley MP. Limited role of transoesophageal echocardiography in unselected patients with cerebral ischaemic events [abstract]. *Circulation* 1990;82(suppl III):III-110.
- 24 Sigel B, Coelho JCU, Spigos DG, et al. Ultrasonography of blood during stasis and coagulation. *Invest Radiol* 1981;16:71-6.
- 25 Mikell FL, Asinger RW, Elsperger KJ, Anderson WR, Hodges M. Regional stasis of blood in the dysfunctional left ventricle: echocardiographic detection and differentiation from early thrombosis. *Circulation* 1982;66:755-63.
- 26 Mahoney C, Sublett KL, Harrison MR. Resolution of spontaneous contrast with platelet disaggregatory therapy (trifluoperazine). *Am J Cardiol* 1989;63:1009-10.
- 27 Matsumura M, Shah P, Kyo S, Omoto R. Advantages of transoesophageal echo for correct diagnosis on small left atrial thrombi in mitral stenosis [abstract]. *Circulation* 1989;80(suppl II):II-678.
- 28 Petersen P, Boysen G, Godtfredsen J, Andersen ED, Andersen B. Placebo-controlled, randomised trial of warfarin and aspirin for prevention of thromboembolic complications in chronic atrial fibrillation: The Copenhagen AFASAK study. *Lancet* 1989;i:175-9.

## Obituary



### EIRIAN WILLIAMS

Bill Williams, MD, FRCP, died on 31 March, aged 65, after a long struggle against an aggressive prostatic carcinoma. He spent 30 years as physician in general medicine and cardiology at Withybush Hospital, Haverfordwest, Pembrokeshire. He was a member of the Association of Physicians of Great Britain and Ireland and of the British Cardiac Society.

He was an international authority on brucellosis and published several papers on this topic in the *Lancet* in the 1970s. It was appropriate that he was asked to give the Donald Hunter Memorial Lecture to the Royal College of Physicians on this topic since Hunter was one of his mentors at the London Hospital and a lifelong friend.

Apart from being a dedicated and gifted clinician his main achievement was the creation of Withybush General Hospital in Haverfordwest, Pembrokeshire, which resulted out of his single-minded efforts. His contributions to postgraduate medicine in the area were recognised when the library in the postgraduate centre was named after him.

He will be remembered with affection by his many friends as an accomplished gardener, no mean wet fly fisher, and as a man who never gave up a cause—be it the development of his hospital or of academic cardiology in Cardiff. He is survived by his wife, three children, and seven grandchildren.

REG HALL